

Applicant Name Central Montana Regional Water Authority
Project Name Utica Well 2

Project Abstract

The problem within the project area is lack of a consistent, clean, and healthy source of municipal and domestic water for multiple cities and towns within Central Montana.

The goal of this project is to develop a method of accessing a proven municipal deep water source and securing additional water rights for the region. The objectives are to provide a final engineering design for a deep well, drill the well, case the well, and pump test and analyze the effects of the new well on the test well at the same location.

This project is sponsored by and will be carried out by the Central Montana Regional Water Authority, with assistance of experienced staff from Central Montana Resource Conservation and Development Area, Inc., (RC&D).

The specific project location is north of Utica in the NW1/4, SW1/4, Section 16, T14N, R13E. The target formation for the well is the Madison Limestone at a depth between 3,700 and 4,000 feet. This well will serve as one of a group of at least three wells to provide municipal water to communities in the five county areas, including the towns of Hobson, Judith Gap, Harlowton, Ryegate, Lavina, Broadview, Roundup, and Melstone. The well source water, as proven by an adjacent test well completed in November 2005, will be piped to the above communities, as later phases of the overall concept are developed. The quality of the water from this site will eliminate the need for all major water treatment, thereby reducing cumulative operation and maintenance (O&M) costs and conserving 25% to 30% of water required by eliminating the waste stream created by conventional treatment.

Water well drilling design and development should be completed within 12 months of start-up.